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D1L102 QUENCH SUMMARY

Magcool Bay E

QUENCH #	RUN #	CURRENT (A)	T(in) (K)	T(out) (K)	START (ms)	MIITS	COIL	COMMENTS
T = 4.5K (nom)								
No warm bore tube								
1	7	6504	4.417	4.550	-32	8.7	upper	
	8	7000	4.460	4.590		NO QUENCH		(g)

Notes:
a) Ramp rate for quenches was 20A/s. For quench 1, the magnet stopped at 5000A for 1 min before continuing the ramp at 20A/s.
b) There was a 1 hour or more wait between quenches.
c) The temperature sensors recorded are diode sensors T9 at the helium input and T7 at the output. Both have associated redundant sensors.
d) There were no auxiliary voltage taps in the magnet coils.
e) Data acquisition sampling rate was 1kHz for all quenches.
f) Strip heaters were fired at 200V(nom) and 1ms.
g) For Run #8, the magnet reached 7000A without quench. It was then cycled down and up 5 times to 7000A and then operated at 7000A for 30 min without a quench.